

# Converting Colors

XYZ(50.8942, 28.7033,  
177.9617)

Have a look what the booklet for  
XYZ(50.8942, 28.7033, 177.9617)  
contains.

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# Color

**XYZ(35.4616, 22.5417,  
97.0897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9961FF
RGB	153, 97, 255
RGB Percent	60%, 38%, 100%
CMY	0.4000, 0.6196, 0.0000
CMYK	0.40, 0.62, 0.00, 0.00
HSL	261°, 100%, 69%
HSV	261°, 62%, 100%
XYZ	35.4616, 22.5417, 97.0897
YIQ	131.7560, -17.3420, 61.0100

# Conversions

## Conversions Part 2

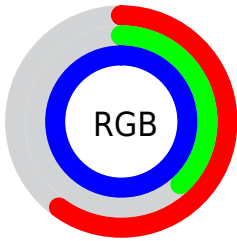
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 97, 255
Decimal	10052095
CIE <sub>Lab</sub>	54.60, 55.65, -70.78
CIE <sub>LCh</sub>	55, 90.041, 308.176
Yxy	22.5417, 0.2286, 0.1453
Android (android.graphics.Color)	4288242175 (0xFF9961FF)
YUV	131.7560, 60.7593, 18.6310
Hunter-Lab	47.4781, 50.2358, -88.0096

# Details

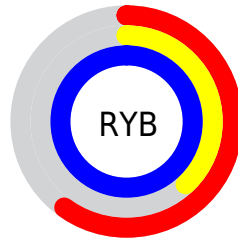
The XYZ color **35.4616, 22.5417, 97.0897** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **61.4700, 84.5248, 24.3847**, and the grayscale version is **21.6382, 22.7651, 24.7912**.

A 20% lighter version of the original color is **56.3969, 43.1788, 99.9696**, and **15.5692, 8.3124, 53.6072** is the 20% darker color. If you saturate the color by 10%, you get **30.5771, 17.0704, 96.2911**, and if you desaturate by 10%, it is **41.5336, 29.7492, 98.1608**.

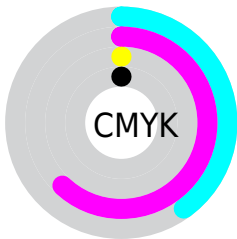
# Distribution



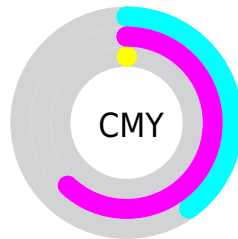
- Red (60%)
- Green (38%)
- Blue (100%)



- Red (60%)
- Yellow (38%)
- Blue (100%)



- Cyan (40%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (62%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4616, 22.5417, 97.0897 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.4616, 22.5417, 97.0897 by changing the saturation by 10% instead.



 35.4616, 22.5417,  
97.0897


 35.4616, 22.5417,  
97.0897


318.0736,  
265.3623, 571.9879

 24.1868, 14.2555,  
73.2690


 67.5296, 47.6397,  
159.1688

 15.5978, 8.2986,  
53.7028


 89.0535, 65.2202,  
198.2643

 9.3290, 4.2866,  
37.9725


 114.7245, 86.6677,  
243.2884

 5.0152, 1.8351,  
25.6597

 144.9080,  
112.3664, 294.6597

 2.2910, 0.5089,  
16.3458

179.9693,  
142.7009, 352.7968

 0.7901, 0.0000,  
9.6122

220.2737,

 0.0000, 0.0000,

178.0554, 418.1181

5.0403

266.1867,  
218.8144, 491.0423

■ 0.0000, 0.0000,  
2.2118

■ 0.0000, 0.0000,  
0.6812

■ 35.4616, 22.5417,  
97.0897

■ 35.4616, 22.5417,  
97.0897

■ 30.5771, 17.0704,  
96.2911

■ 41.5336, 29.7492,  
98.1608

■ 26.7841, 13.1730,  
95.7387

■ 48.8722, 38.8303,  
99.5269

■ 23.9741, 10.6586,  
95.4015

■ 57.5524, 49.9107,  
101.2081

■ 22.3041, 9.4131,  
95.2491

■ 67.6422, 63.1043,  
103.2230

■ 79.2046, 78.5165,  
105.5884

■ 92.2988, 96.2452,  
108.3203

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.2455, 22.5417, 127.5735



35.4616, 22.5417, 97.0897



44.3753, 22.5417, 50.8719

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.4616, 22.5417, 97.0897



29.3018, 22.5417, 0.7372



7.5750, 22.5417, 33.1343

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.4616, 22.5417, 97.0897



61.4700, 84.5248, 24.3847

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.1751, 22.5417, 9.3532



35.4616, 22.5417, 97.0897



18.8325, 22.5417, 0.3501

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.4616, 22.5417, 97.0897



40.1237, 22.5417, 3.9247



11.6887, 22.5417, 1.7987



9.6822, 22.5417, 75.9499



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.4616, 22.5417, 97.0897



46.6109, 22.5417, 26.3186



11.6887, 22.5417, 1.7987



7.4836, 22.5417, 22.8512

# Sweetspot

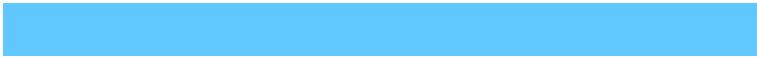
The Sweet Spot groups the original color and five complimentary colors.



35.4626, 22.5424, 97.0898



70.9087, 67.4310, 103.8859



43.5649, 50.9314, 102.1424



14.5013, 13.5375, 22.0986



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4626, 22.5424, 97.0898



29.7180, 16.1532, 96.1593



55.3768, 32.8086, 98.0217



17.6105, 17.6909, 22.7365



11.8007, 4.9940, 49.7766



1.2625, 0.5448, 4.8519



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.8232, 33.9330, 57.6383



52.2952, 28.8274, 50.4496



45.7611, 76.4265, 23.6495



18.5033, 18.1846, 21.2673



25.1528, 12.5504, 19.9872

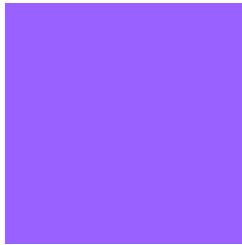


2.5011, 1.2428, 2.2200



# Previews

## White Background



This preview shows how the XYZ color 35.4616, 22.5417, 97.0897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

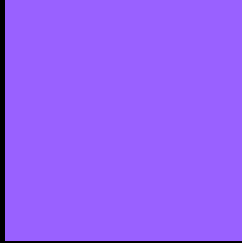
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4616, 22.5417, 97.0897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4616, 22.5417, 97.0897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4616, 22.5417, 97.0897.



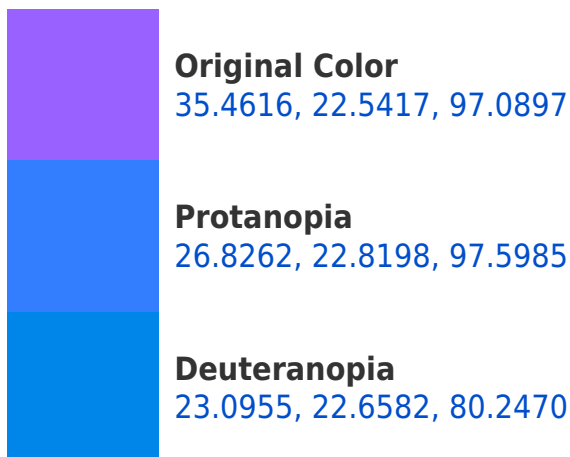
This preview shows how white text looks on a background with the XYZ color 35.4616, 22.5417,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

21.4687, 22.3707, 27.9974

# Trichromacy



**Original Color**

35.4616, 22.5417, 97.0897

**Protanomaly**

28.1112, 21.5077, 97.2775

**Deuteranomaly**

24.2245, 20.6246, 85.9233

**Tritanomaly**

25.0753, 21.5685, 47.0975

# Monochromacy



**Original Color**

35.4616, 22.5417, 97.0897

**Achromatopsia**

21.9318, 23.0740, 25.1276

**Achromatomaly**

25.3479, 21.9434, 44.4945

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4616, 22.5417, 97.0897 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 97, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 97, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4616, 22.5417, 97.0897 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 97, 255) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(153, 97, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(153, 97, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 97,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4616, 22.5417, 97.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 97, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153, 97,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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